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Process and device for the manufacture of reinforced concrete slabs.

A process is disclosed for the continuous manufacture of cement articles containing a reinforcement of net-like polymeric structures, which comprises the steps of depositing a layer of water-cement mix on a horizontal porous conveyor belt, depositing an open-mesh, net-like polymeric structure on said layer, depositing a cement layer onto said structure, compacting the thus obtained assembly by vibrations in at least vertical sense, then compressing said assembly to reduce the water content to 25-35% by weight.

A device is also disclosed for performing the process, comprising one or more operational units arranged in series, each one comprising, according to Fig. 1, a feeder 1 for the net-like polymeric structure, an horizontal porous conveyor 7, a device 3 for guiding said structure on said conveyor, at least one feeding-dosing device 4 for the deposition of the cement mix on the conveyor or the net-like structure, a vibrator 8 which vibrates at least in the vertical sense, and a compressor 10.

